MEDICAL IMAGING
CSO Customer Support Operations

Technical Documentation

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ADC System Components

Processing Station

Section 3

Fresh Installation:

DIPS 1.0.03

for the ADC Processing Station

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1 General Information

The “Fresh Installation” is only necessary if you do not purchase the hardware of the Processing Station via AGFA.

If purchased via AGFA everything is installed and configured according to the order.

1.1 Software Prerequisites

ADC Compact DIGITIZER:	≥ COP_1215 + patch COPA1215; (Order No.: CM+9.5145.1050.2)
ADC Solo DIGITIZER	> SOL_1108 + patch SOLD1108; (Order No.: CM+9.5155.1050.2)
PRID (Preview & identification SW)	≥ PRID1.1.07

1.2 Hardware Prerequisites

Experience has shown that 128 MB RAM is the absolute minimum for the Processing Station.

However, for a good performance (UI speed, UI stability) 256 MB RAM memory is recommended. The workstations coming from AGFA are equipped with 256 MB RAM.

The system is only tested with 27 GB hard disk space for images. AGFA does not guarantee a smooth working, if more hard disk space for images is used.

At least a 2 GB HD is needed to store the Operating System and the Application (1 GB) plus approximately 150 images.

1.3 Required Time for the Installation

Approximately 45 minutes.

1.4 Release Environment

These versions on the hardcopy devices and the IMPAX Stations (and subsequent releases respectively) guarantee that all functions on the Processing Station are supported properly. Other combinations have not been tested and may result in restrictions in functionality.

LR5200	> LTP01901
LR5200 Controller	> AOS32946/C > CAD32946/C > ECU32947/C
DICOM	> DCM2.3.4/C
IMPAX	> R3.5_v.2.4.0/C

2 Installation of DIPS 1.0.03

- Do not connect additional external hard disks or UPS at this time. The installation of these devices is described later on in this document.
- If you are not sure, that the for the installation necessary default ip_address 192.9.200.202 is used in the local network, disconnect the Processing Station from the Ethernet. This may cause the UNIX warning message “No carrier – cable disconnected or hub link test disabled” or alike. However, this does not influence the installation, but the installation time increases. This is due to the fact that the Processing Station continuously tries to get a connection to the network.

The following procedure

- installs the Operating System Software (Solaris 2.5).
- installs MIMOSA (SOLARIS patches, CDE, Application).
- prepares image disks/partitions.

Installation Procedure

No.	Procedure Steps	Display / Comment
1.	• Switch on the Processing Station.	
2.	• When the monitor comes up, press <STOP>and<A> to get the "OK" prompt.	The following prompt appears: `Ok`
3.	• Insert the CD ROM with DIPS 1.0.03.	
4.	• Type **`boot cdrom`** and hit **<Enter>**	After 3 – 4 min. the following prompt appears: `Enter a selection:`
5.	• Select **1** `install` and hit **<Enter>** **2** `Fresh` and hit **<Enter>**.	The following line appears: `Install O.S. software from ./SYSTEM/SUN.A.0.4.03 [yes,no,?,q]:`
6.	• Type **Yes** and press **<Enter>**.	The following line appears: `The Solaris Installation Program`
7.	• Click **<Continue>**.	The following window appears: `Identify This System`
8.	• Click **<Continue>**.	The following window appears: `Host name`
9.	• Type **PS5000** and click **<Continue>**.	The following window appears: `Network Connectivity`

No.	Procedure Steps	Display / Comment
10.	• Click <Yes> and <Continue>.	The following window appears only with ULTRA SPARC 1, if a fast Ethernet board is installed (Otherwise skip step 11): `Primary Network Interface` Here you can select **hme0 = 100 mB** autosensing or **le0 = 10 mB** onboard. We recommend to select hme0.
11.	• Click <hme0> and <Continue>.	The following window appears: `IP Address`

Do not use an other IP address than 192.9.200.202!

Otherwise the MIMOSA application does not start properly! Adaptation to the local IP address occurs via the CPF file.

12.	• Type `192.9.200.202` and click <Continue>.	The following window appears: `Confirm information`
13.	• Check and if correct click <Continue>.	The following window appears: `Name Service`
14.	• Click <None> and <Continue>.	The following window appears: `Confirm information`
15.	• Check and if correct click <Continue>.	The following window appears: `Subnets`

Adaptation to the local subnet address occurs via the cpf file.

16.	• Click <No> and <Continue>.	The following window appears: `Time Zone`
17.	• Click <Geographic region> and <set>.	The following window appears: `Geographic Region`
18.	• Select local <Region> and <Time zone> and click <Continue>.	The following window appears: `Date and Time`
19.	• Modify <Date> and <Time> if not correct. Click <Continue>.	The following window appears: `Confirm Information`
20.	• Check and if correct click <Continue>.	The following window appears: `Hit <return> to continue .....`
21.	• Press <Return>.	The following window appears: `PS5000 console log in:`

No.	Procedure Steps	Display / Comment
22.	• Check and if correct click **<Continue>**.	The following line appears: `System identification is completed.`

Now the Solaris OS installation starts. After about 15 minutes the Solaris OS installation is finished and the Processing Station reboots automatically.

23.	• Automatic reboot	The reboot takes about 3 min. Then the following text is displayed:
		`**********`
		`* Please log on as root and enter:*`
		`* /mimosa.install *`
		`**********`
		`... ... mimosa install aborted.`
		`Hit <return> to continue`

24.	• Hit **<Return>**.	The login prompt appears: `vips console login.`
25.	• Type **root** Type **/mimosa.install**	The following window appears: `Password: .....`
26.	• Type in the root password.	The following window appears: #
27.	• Type **/mimosa.install**	The following window appears: `OK to run with option install [yes,no,?,q] .....`
28.	• Type **yes**	The installation of the SOLARIS O.S. patches and MIMOSA starts.

This takes about **20 minutes** or more, depending on the performance of the Processing Station.

The following message, which can appear during this installation procedure, have to be ignored!

installing of	103746-01	failed. Return code 8 (or similar depending on the Processing Station)
installing of	104744-01	.....
installing of	103878-04	.....

29.		The following window appears: `Install software from ./MIMOSA/DIPS1003 [yes, no, ?, q]`

No.	Procedure Steps	Display / Comment
30.	• Type **yes**	Formats and initializes the image disk. The following window appears: `New disk detected on SCSI-ID 0 (Controller 0). Disk name = c0t0d0 Indicate the purpose of this disk (images/other)?)`
31.	• Type **i**	`Format and initialize the image disk (yes/no)?`
32.	• Type **yes**	The following window appears: `Ok to reboot`

33.	• Type **yes**	The system reboots.
		After 2-3 min the site data screen appears:
		`/ Name of Installer >`
		`/ Installation Date >`
		`/ Serial number >`
		`/ Site Address >`
		`/ Site name >`
		`/ Department name >`
		`/ Country >`
		`/ Comment >`

34.	• Fill in the installation data:	Serial number: 8 characters on the back of sun station, e.g. 637M1459. After filling in all the data the following window appears: `Any change (N/Y)?`
35.	• If all data is correct type **N**	Booting continues.

When the User Interface starts, the warning „NO LICENSE for MIMOSA Software“ appears.

36.	Unlock screen by entering the application password: ******	User Interface is active now.

3 Further Steps for Start-up

This chapter describes the further installation steps to finish up with the Fresh Installation:

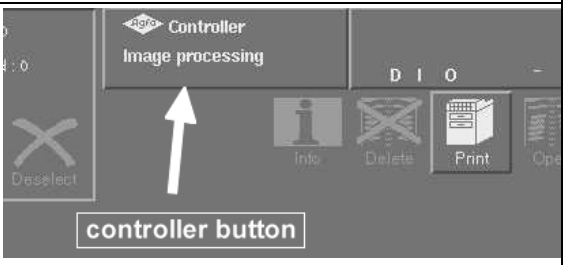
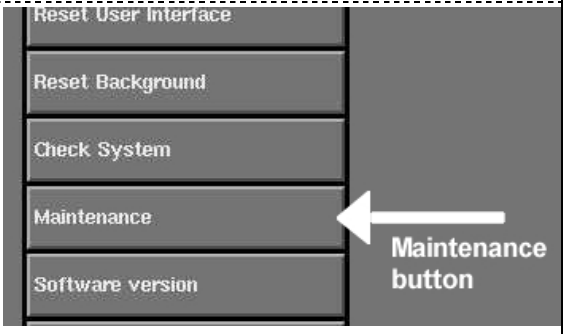
- Activate the Demo License.
- Installing the Language Files.
- Installing the Configuration File adc.cpf. and adapting the Network Settings.
- Make the Ethernet connection.
- Create a site specific backup

3.1 Activate the Demo License

You can activate the software module only once for one month (*DEMO* - Mode). Permanent licensing can be done only by your responible Global Support Center.

Please fill in the enclosed license form and forward it to your MI CSO Global Support Center:

Installation Procedure

No.	Procedure Steps	Display / Comment
1.		
2.	• Click **<Controller>**.	

3.	• Select **<Maintenance>** in the controller pull-down menu.	`Maintenance password >`
		`Maintenance Password ok.`
		`No match`

4.	• Enter maintenance password and hit **<Return>**.	`1 Connect Connect via Telnet to a network node`
		`2 Install Tools to setup DIPS/VIPS`
		`3 Repair Tools to repair DIPS/VIPS`
		`4 Tools UNIX Tools`
		`5 Help Documentation about (V)DIPS`
		
		`Enter selection (// to exit) [?,??,q]:`

No.	Procedure Steps	Display / Comment
5.		The following window appears: `Enter selection (// to exit) [?,??,q]:`
6.	• Type **2** `Install` and hit <**Return**>. **5** `Licenses` and hit <**Return**>.	@ (#) License Manager. C 8.10 97/07/07 12:11:49 The following window appears: `LicenseManager: Command >`
7.	1. Type **1** `Activate` and hit <**Return**>.	The following window appears: `LicenseManager: Module ID >`

8.	• Type
	0 `MIMOSA` and hit <**Return**>.
		The following window appears:
		`Module name: Mimosa`
		`/LicenseManager: Your (installer) name >`

9.	2. Type in your name.	The following window appears: `/LicenseManager: Enter Licensing password >`
10.	3. Press <**Return**> for demo mode.	The following window appears: `/LicenseManager: Module Mimosa: License *DEMO* from 1997/12/09 18:52 on. OK (Y/N) >`

11.	4. Type **y**	The following window appears:
		`... done ...`
		`/LicenseManager: Command >`

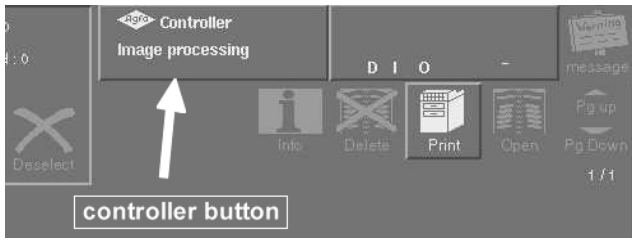
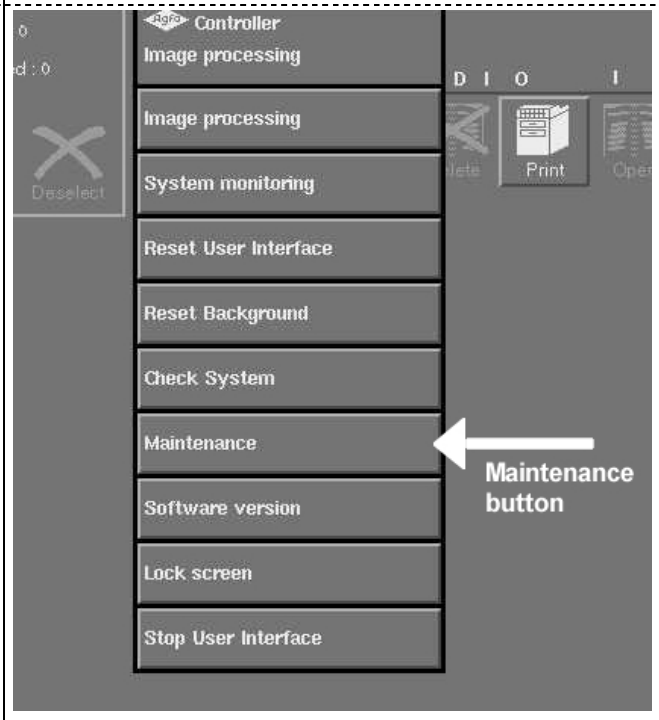
12.	• Type **1** `Activate` and hit <**Return**>.	The following window appears: `/LicenseManager: Module ID >`
13.	5. Type **5** `VIPS` and hit <**Return**>.	Module name: Vips `/LicenseManager: Your (installer) name >`
14.	6. Type in your name.	The following window appears: `/LicenseManager: Enter Licensing password >`
15.	7. Press <**Return**> for demo mode.	The following window appears: `/LicenseManager: Module Vips: License *DEMO* from 1997/12/09 18:52 on. OK (Y/N) >`

No.	Procedure Steps	Display / Comment

16.	8. Type **Y** and hit **<Return>**.	The following window appears:
		`... done ...`
		`/LicenseManager: Command >`

17.	9. Type **0** for `Exit` and hit **<Return>**.	The following window appears: `Enter selection (// to exit) [?, ??, q]:`
18.	10. Type **q** and hit **<Return>**.	

3.2 Installing the Language Files

No.	Procedure Steps	Display / Comment
1.	• Insert floppy with language files for the Processing Station.	 Figure 1: ui.jpg
2.	• Click **<Controller>**.	 Figure 2: Maintenance.jpg

3.	• Select **<Maintenance>** in the controller pull-down menu.	`Maintenance password >`
		`Maintenance Password ok.`
		`No match`

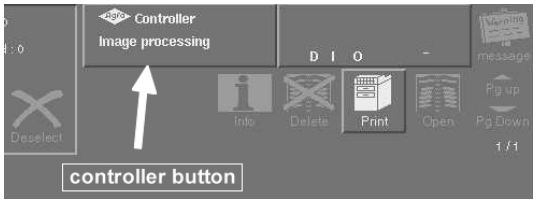
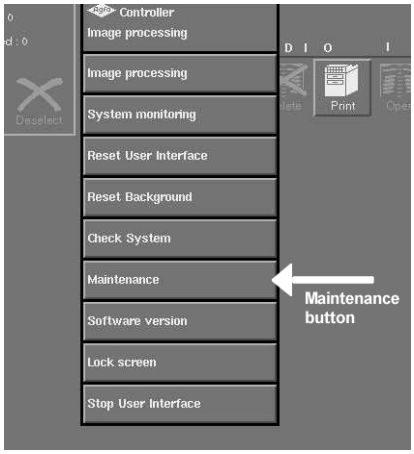
4.	• Enter maintenance password and hit **<Return>**.	`1 Connect  Connect via Telnet to a network node`
		`2 Install  Tools to setup DIPS/VIPS`
		`3 Repair  Tools to repair DIPS/VIPS`
		`4 Tools  UNIX Tools`
		`5 Help  Documentation about (V)DIPS`
		
		`Enter selection (// to exit) [?,??,q]:`

No.	Procedure Steps	Display / Comment
5.	• select: `2 install` and hit **<Return>** `7 languages` and hit **<Return>** `1 Copy all` and hit **<Return>**.	The language files are copied now. Warning messages may appear. They can be ignored. After finishing the floppy is ejected automatically (ULTRA1) or the window **<Removable Media Manager>** appears (Ultra 10) and the floppy can be ejected manually.
6.	• Remove floppy and click **<OK>**.	The following prompt appears: `Enter selection:`
7.	• enter three times **q**	The MIMOSA User Interface appears again.

3.3 Installing the Configuration File adc.cpf and adapting the Network Settings

The cpf-file with the site specific network addresses incorporated must have been created in advance.

Changing of the cpf-file is only necessary if you integrate into an existing network. With a pure ADC network the default cpf-file (SHIPMENT.CPF) can be used and this installation step 3.3 can be skipped.

No.	Procedure Steps	Display / Comment
1.	• Insert the floppy disk with the configuration file ” adc.cpf”.	 Figure 3
2.	• Click **<Controller>**.	 Figure 4

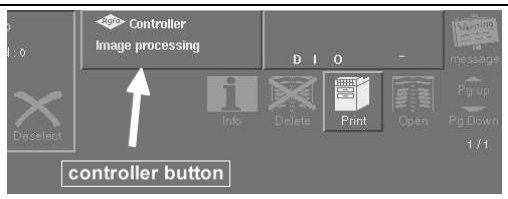
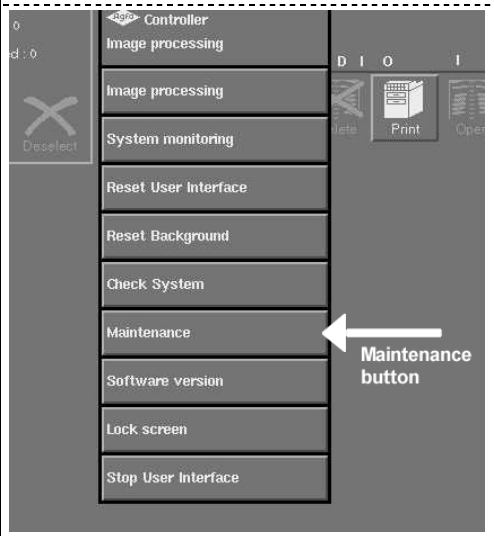
No.	Procedure Steps	Display / Comment
3.	• Select **<Maintenance>** in the controller pull-down menu.	Maintenance password > Maintenance Password ok. No match
4.	• Enter maintenance password and hit **<Return>**.	1 Connect Connect via Telnet to a network node 2 Install Tools to setup DIPS/VIPS 3 Repair Tools to repair DIPS/VIPS 4 Tools UNIX Tools 5 Help Documentation about (V)DIPS Enter selection (// to exit) [?,??,q]:
5.	• Select **2** Install and hit **<Return>** **1** Cpf-file and hit **<Return>** **2** from floppy and hit **<Return>**.	OK to continue?
6.	• Enter **yes**	Configuration file adc.cpf is copied and parsed. This may take a few minutes. After finishing the following line appears: Enter selection (//to exit) [?,??,q]
7.	• Enter **q**	1 Cpf-file Tools to install ... 2 Software Software inst ... 3 Hardware Hardware inst... 4 Monitor Testimages to ... 5 Licenses License manager ... 6 TimeSettings Tools to change... 7 Languages Install and select... 8 Hostname Change hostname, ... 9 Backup Backup system data 10 Siteinfo Enter site address... Enter selection (// to exit) [?,??,q]:
8.	• Select **8** Hostname and hit **<Return>**.	The procedure to change .... Are you ready to proceed?

No.	Procedure Steps	Display / Comment
9.	• Enter **yes**	MIMOSA is stopped. A list of possible ip_addresses / hostnames is displayed. `/NetConfig : Enter a number (<return> to reboot) >`
10.	• Choose an ip_ address/hostname you want to set for the Processing Station (enter the number) and hit **<Return>**.	`/NetConfig : OK to change to <...> (Y/N)`
11.	• Enter **yes**	`/NetConfig : Enter return to reboot the system.`
12.	• Hit **<Return>**.	The Processing Station is rebooted now.
13.	• Connect the Processing Station to the Ethernet.	The installation is finished now.

3.4 Installation of external Hard Disks and UPS

For the installation of external hard disks and UPS see Section 9, Accessories.

3.5 Create a site specific Backup

No.	Procedure Steps	Display / Comment
1.	• Insert an empty floppy disk.	 Figure 5
2.	• click **<Controller>**.	 Figure 6

3.	• select **<Maintenance>** in the controller pull-down menu	`Maintenance password >`
		`Maintenance Password ok.`
		`No match`

No.	Procedure Steps	Display / Comment
4.	• enter maintenance password and hit **<Return>**	1 Connect Connect via Telnet to a... 2 Install Tools to setup DIPS/VIPS 3 Repair Tools to repair DIPS/VIPS 4 Tools UNIX Tools 5 Help Documentation about (V)DIPS Enter selection (// to exit) [?,??,q]:
5.	• Select **2** Install and hit **<Return>** **9** Backup and hit **<Return>** **1** SiteSpecific and hit **<Return>**	The following lines will appear: 00/02/02 08:39:50 SaveAreaCreate begins ... . . Save Area backup on floppy or tape [floppy,tape,?,q]
6.	• enter **f** for floppy	The following line appears if you did not already insert a floppy disk: Put the floppy into the drive and hit <return>
7.	• Insert an empty floppy disk (if not already in) and hit **<Return>**	The following text appears: SaveAreaCreate begins ... .. SaveAreaBackup exiting 1 SiteSpecific Save site... 2 Software Backup of... 3 Complete Dump comple... Enter selection (// to exit) [?,??,q]:
8.	• Enter **q** Enter **q**	The following lines appear: 1 Connect Connect via... 2 Install Tools to... 3 Repair Tools to... 4 Tools UNIX Tools 5 Help Documentation... Enter selection (// to exit) [?,??,q]:
9.	• Select **4** Tools and hit <Return> **8** FloppyEject and hit <Return>	The floppy disk can be removed now.

No.	Procedure Steps	Display / Comment
10.	• Enter `q` Enter `q`	The Maintenance Menu will be closed. Label the floppy.
11.	**Save Area backup of <*hostname*>** **For version: VIPS.1.1.02** **Name: <*Enter your name*>** **Date: <*Enter current date*>**	Installation is finished now. Store the floppy disk with the SaveArea backup in a save place onsite.